

List of All Chemicals

P Vancouveria hexandra (Berberidaceae)

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
2-(P-HYDROXY-PHENOXY)-5-HYDROXY-7-METHOXY-BENZOCROMONE	Root	--	28.0		Linuma, M., Kanie, Y., Tanaka, T., Mizuna, M., Lang, F. A. 1993. Five Phenolic Compounds in the Underground Parts of Vancouveria hexandra. Heterocycles 35 1: 407-413.
3-(6-O-ACETYL-GALACTOSYL-(1,3)-RHAMNOSIDE)-7-GLUCOSIDE-ANHYDROICARITIN	Root	--	3400.0		Mizuno, M., linuma, M., Tanaka, T., Sakakibara, N., Murata, J., Murata, H., Lang, F. A. 1990. Two Flavonol Glycosides from the Underground Parts of Vancouveria hexandra. Phytochemistry 29 4: 1277-1281.
3-GALACTOSYL-(1,3)-RHAMNOSIDE-7-GLUCOSIDE-ANHYDROICARITIN	Root	--	360.0		Mizuno, M., linuma, M., Tanaka, T., Sakakibara, N., Murata, J., Murata, H., Lang, F. A. 1990. Two Flavonol Glycosides from the Underground Parts of Vancouveria hexandra. Phytochemistry 29 4: 1277-1281.
3-O-FUCOSYL-RHAMNOSIDE-ANHYDROICARITIN	Tissue Culture	--	55.5		Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.
3-O-GLUCOSYL-7-O-GLUCOSIDE-ANHYDROICARITIN	Tissue Culture	--	88.8		Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.
4',5,7-TRIHYDROXY-3'-(2-HYDROXY-3-METHYL-BUT-4-ENYL)-FLAVONE	Root	--	--		Linuma, M., Kanie, Y., Tanaka, T., Mizuna, M., Lang, F. A. 1993. Five Phenolic Compounds in the Underground Parts of Vancouveria hexandra. Heterocycles 35 1: 407-413.
4',5,7-TRIHYDROXY-3'-6-DI-(2-HYDROXY-3-METHYL-BUT-4-ENYL)-FLAVONE	Root	--	--		Linuma, M., Kanie, Y., Tanaka, T., Mizuna, M., Lang, F. A. 1993. Five Phenolic Compounds in the Underground Parts of Vancouveria hexandra. Heterocycles 35 1: 407-413.
AFZELIN	Tissue Culture	--	166.6		Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.
Activities (1)					
ACE-Inhibitor IC50=2.8 mM					
EPIMEDIN-A	Shoot	--	--		Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1992. Two Flavonol Glycosides from Vancouveria hexandra. Phytochemistry 31 1: 297-299.
EPIMEDIN-B	Root	--	--		Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1991. Two Flavonol Glycosides, Hexandrasides C and D, from the Underground Parts of Vancouveria hexandra. Phytochemistry 30 8: 2765-2768.
EPIMEDIN-B	Tissue Culture	36.8	77.7		*
EPIMEDIN-C	Tissue Culture	--	166.6		Mizuno, M., linuma, M., Tanaka, T., Yamamoto, H. 1991. Manufacture of Flavonoid Glycosides with Isoprenoid Side Chains by Cell Cultures of Vancouveria. Patent-Japan Kokai Tokkyo Koho-03 35, 790: 6 pp.
EPIMEDOSIDE-A	Tissue Culture	--	133.3		Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.
Activities (1)					
Hypotensive					
EPIMEDOSIDE-A	Root	--	--		Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1991. Two Flavonol Glycosides, Hexandrasides C and D, from the Underground Parts of Vancouveria hexandra. Phytochemistry 30 8: 2765-2768.
Activities (1)					
Hypotensive					
EPIMEDOSIDE-E	Tissue Culture	--	29.6		Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra.

EPIMEDOSIDE-E	Root	--	--	Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1991. Two Flavonol Glycosides, Hexandrasides C and D, from the Underground Parts of Vancouveria hexandra. Phytochemistry 30 8: 2765-2768.
HEXANDRASIDE-A	Tissue Culture	--	55.5	*
HEXANDRASIDE-B	Tissue Culture	--	--	Mizuno, M., linuma, M., Tanaka, T., Yamamoto, H. 1991. Manufacture of Flavonoid Glycosides with Isoprenoid Side Chains by Cell Cultures of Vancouveria. Patent-Japan Kokai Tokkyo Koho-03 35, 790: 6 pp.
HEXANDRASIDE-C	Root	--	--	Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1991. Two Flavonol Glycosides, Hexandrasides C and D, from the Underground Parts of Vancouveria hexandra. Phytochemistry 30 8: 2765-2768.
HEXANDRASIDE-D	Root	--	--	Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1991. Two Flavonol Glycosides, Hexandrasides C and D, from the Underground Parts of Vancouveria hexandra. Phytochemistry 30 8: 2765-2768.
HEXANDRASIDE-E	Tissue Culture	--	303.7	Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.
HEXANDRASIDE-E	Shoot	--	--	Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1992. Two Flavonol Glycosides from Vancouveria hexandra. Phytochemistry 31 1: 297-299.
HEXANDRASIDE-F	Shoot	--	--	Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1992. Two Flavonol Glycosides from Vancouveria hexandra. Phytochemistry 31 1: 297-299.
ICARIIN	Root	--	--	Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1991. Two Flavonol Glycosides, Hexandrasides C and D, from the Underground Parts of Vancouveria hexandra. Phytochemistry 30 8: 2765-2768.

Activities (2)

Antihepatotoxic IC 76=1-20 uM
Hypotensive

ICARIIN	Tissue Culture	222.0	520.8	*
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Activities (2)

Antihepatotoxic IC 76=1-20 uM
Hypotensive

IKARISOSIDE-C	Tissue Culture	--	88.8	Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.
IKARISOSIDE-F	Shoot	--	--	Mizuno, M., Kanie, Y., linuma, M., Tanaka, T., Lang, F. A. 1992. Two Flavonol Glycosides from Vancouveria hexandra. Phytochemistry 31 1: 297-299.
KAEMPFERITRIN	Tissue Culture	--	88.8	Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.

Activities (1)

Antiinflammatory

KAEMPFEROL-3-O-GLUCOSYL-RHAMNOSIDE-7-O-RHAMNOSIDE	Tissue Culture	--	2519.0	Yamamoto, H., Yan, K., Ieda, K., Tanaka, T., linuma, M., Mizuno, M. 1993. Flavonol Glycosides Production in Cell Suspension Cultures of Vancouveria hexandra. Phytochemistry 33 4: 841-846.
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